

# Final present from Grandma

## Problem Statement

On the eve of Reethu's Birthday, Grandma also gifted a string of numbers of length 'L' to Reethu. Reethu is expecting that Grandma's present would definitely be an 'RGG' string. AN 'RGG' string is a string in which summation of 'M' consecutive numbers is 'G'.

Constraints:  $0 \leq L \leq 100000$ .

## Input Format

Input contains three space separated items. Two integers 'M' and 'G' and a numerical string.

## Output Format

Print 'YES' if the given string is 'RGG' else print 'NO'.

## Sample Input

3 10 163

## Sample Output

YES

## Explanation

In the given input string, as  $M=3$  consecutive integers are adding upto  $G=10$ . Hence 'YES'